

FORM PTO-1449
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
A3-172 US

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Hirata et al.

FILING DATE

GROUP

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|------------|---------------------|-------|----------|----------------------------------|
| AG | AA | 5,224,866 | 07/06/1993 | Nakamura et al. | 439 | 81 | |
| | AB | 5,310,357 | 05/10/1994 | Olson | 439 | 346 | |
| | AC | 5,395,250 | 03/07/1995 | Englert, Jr. et al. | 439 | 65 | |
| | AD | 5,727,956 | 03/17/1998 | Mitra et al. | 439 | 74 | |
| | AE | 5,971,809 | 10/26/1999 | Ho | 439 | 660 | |
| | AF | 5,975,916 | 11/02/1999 | Okura | 439 | 74 | |
| | AG | 6,338,630 | 01/15/2002 | Dong | 439 | 74 | |
| | AH | 6,540,561 | 04/01/2003 | Masumoto | 439 | 660 | |
| AG | AI | 5,181,855 | 01/26/1993 | Mosquera et al. | 439 | 74 | |
| | AJ | | | | | | |
| | AK | | | | | | |
| | AL | | | | | | |
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| | AN | | | | | | |
| | AO | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|----|--------------------|------------|---------|--------|----------|-------------|----|
| | | | | | | | YES | NO |
| AG | AP | 2000-260509 | 09/22/2000 | Japan | H 01 R | 12/16 | | |
| | AQ | | | | | | | |
| | AR | | | | | | | |
| | AS | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | AT | |
| | AU | |
| <p>Alex Gilman 07/26/04</p> <p>Duplicate of IDS of 09/12/03</p> | | |

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Alex Gilman 03/17/04